

RAW SEQUENCE LISTING

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Application Serial Number: 10/533,124
Source: PCP/10
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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/533,124

DATE: 05/10/2005

TIME: 13:30:56

Input Set : A:\SEQ LISTING-2 (WSU-9 US).txt
 Output Set: N:\CRF4\05102005\J533124.raw

3 <110> APPLICANT: TERLECKY, Stanley R.
 4 WALTON, Paul A.
 6 <120> TITLE OF INVENTION: PROMOTION OF PEROXISOMAL CATALASE FUNCTION IN CELLS
 8 <130> FILE REFERENCE: 28928.0009
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/533,124
 12 <141> CURRENT FILING DATE: 2005-04-29
 14 <150> PRIOR APPLICATION NUMBER: PCT/US03/34512
 15 <151> PRIOR FILING DATE: 2003-10-30
 17 <150> PRIOR APPLICATION NUMBER: US 60/422,100
 18 <151> PRIOR FILING DATE: 2002-10-30
 20 <160> NUMBER OF SEQ ID NOS: 21
 22 <170> SOFTWARE: PatentIn Ver. 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 4
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 31 peptide
 33 <400> SEQUENCE: 1
 34 Lys Ala Asn Leu
 35 1
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 527
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
 44 Met Ala Asp Ser Arg Asp Pro Ala Ser Asp Gln Met Gln His Trp Lys
 45 1 5 10 15
 47 Glu Gln Arg Ala Ala Gln Lys Ala Asp Val Leu Thr Thr Gly Ala Gly
 48 20 25 30
 50 Asn Pro Val Gly Asp Lys Leu Asn Val Ile Thr Val Gly Pro Arg Gly
 51 35 40 45
 53 Pro Leu Leu Val Gln Asp Val Val Phe Thr Asp Glu Met Ala His Phe
 54 50 55 60
 56 Asp Arg Glu Arg Ile Pro Glu Arg Val Val His Ala Lys Gly Ala Gly
 57 65 70 75 80
 59 Ala Phe Gly Tyr Phe Glu Val Thr His Asp Ile Thr Lys Tyr Ser Lys
 60 85 90 95
 62 Ala Lys Val Phe Glu His Ile Gly Lys Lys Thr Pro Ile Ala Val Arg
 63 100 105 110
 65 Phe Ser Thr Val Ala Gly Glu Ser Gly Ser Ala Asp Thr Val Arg Asp
 66 115 120 125

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68 Pro Arg Gly Phe Ala Val Lys Phe Tyr Thr Glu Asp Gly Asn Trp Asp
69 130 135 140
71 Leu Val Gly Asn Asn Thr Pro Ile Phe Phe Ile Arg Asp Pro Ile Leu
72 145 150 155 160
74 Phe Pro Ser Phe Ile His Ser Gln Lys Arg Asn Pro Gln Thr His Leu
75 165 170 175
77 Lys Asp Pro Asp Met Val Trp Asp Phe Trp Ser Leu Arg Pro Glu Ser
78 180 185 190
80 Leu His Gln Val Ser Phe Leu Phe Ser Asp Arg Gly Ile Pro Asp Gly
81 195 200 205
83 His Arg His Met Asn Gly Tyr Gly Ser His Thr Phe Lys Leu Val Asn
84 210 215 220
86 Ala Asn Gly Glu Ala Val Tyr Cys Lys Phe His Tyr Lys Thr Asp Gln
87 225 230 235 240
89 Gly Ile Lys Asn Leu Ser Val Glu Asp Ala Ala Arg Leu Ser Gln Glu
90 245 250 255
92 Asp Pro Asp Tyr Gly Ile Arg Asp Leu Phe Asn Ala Ile Ala Thr Gly
93 260 265 270
95 Lys Tyr Pro Ser Trp Thr Phe Tyr Ile Gln Val Met Thr Phe Asn Gln
96 275 280 285
98 Ala Glu Thr Phe Pro Phe Asn Pro Phe Asp Leu Thr Lys Val Trp Pro
99 290 295 300
101 His Lys Asp Tyr Pro Leu Ile Pro Val Gly Lys Leu Val Leu Asn Arg
102 305 310 315 320
104 Asn Pro Val Asn Tyr Phe Ala Glu Val Glu Gln Ile Ala Phe Asp Pro
105 325 330 335
107 Ser Asn Met Pro Pro Gly Ile Glu Ala Ser Pro Asp Lys Met Leu Gln
108 340 345 350
110 Gly Arg Leu Phe Ala Tyr Pro Asp Thr His Arg His Arg Leu Gly Pro
111 355 360 365
113 Asn Tyr Leu His Ile Pro Val Asn Cys Pro Tyr Arg Ala Arg Val Ala
114 370 375 380
116 Asn Tyr Gln Arg Asp Gly Pro Met Cys Met Gln Asp Asn Gln Gly
117 385 390 395 400
119 Ala Pro Asn Tyr Tyr Pro Asn Ser Phe Gly Ala Pro Glu Gln Gln Pro
120 405 410 415
122 Ser Ala Leu Glu His Ser Ile Gln Tyr Ser Gly Glu Val Arg Arg Phe
123 420 425 430
125 Asn Thr Ala Asn Asp Asp Asn Val Thr Gln Val Arg Ala Phe Tyr Val
126 435 440 445
128 Asn Val Leu Asn Glu Glu Gln Arg Lys Arg Leu Cys Glu Asn Ile Ala
129 450 455 460
131 Gly His Leu Lys Asp Ala Gln Ile Phe Ile Gln Lys Lys Ala Val Lys
132 465 470 475 480
134 Asn Phe Thr Glu Val His Pro Asp Tyr Gly Ser His Ile Gln Ala Leu
135 485 490 495
137 Leu Asp Lys Tyr Asn Ala Glu Lys Pro Lys Asn Ala Ile His Thr Phe
138 500 505 510
140 Val Gln Ser Gly Ser His Leu Ala Ala Arg Glu Lys Ala Asn Leu

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145	<211> LENGTH: 1586			
146	<212> TYPE: DNA			
147	<213> ORGANISM: Homo sapiens			
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151	gcmcagaaag ctgatgtcct gaccactgga gctggtaacc cagtaggaga caaacttaat 120			
152	gttattacag tagggccccg tggggccctt cttgttcagg atgtggttt cactgatgaa 180			
153	atggctcatt ttgaccgaga gagaattcct gagagagttg tgcatgctaa aggagcaggg 240			
154	gccttggct actttgaggt cacaatgcattt accatgcattt actccaaat actccaaaggc 300			
155	gagcatattt gaaagaagac tcccatcgca gttcggttcc ccactgttgc tggagaatcg 360			
156	ggttcagctg acacagttcg ggaccctcgat gggtttgcag taaaattttt cacagaagat 420			
157	gttaacttggg atctcggttgg aaataacacc cccattttct tcattcaggga tcccatattt 480			
158	tttccatctt ttatccacag cccaaagaga aatccatcaga cccatcttgc gatccggac 540			
159	atggcttggg acttcttggag cctacgttcc gacttctgc atcaggttcc tttcttgc 600			
160	agtatcggttggg ggattccaga tggatccatc gccacatgaa tggatatgaa tcacatactt 660			
161	tcaagctggtaatgcaat ggggaggcag tttatttgcattt aatccattt aagactgacc 720			
162	agggcatcaa aaacccattt gttgaagatg cggcggact ttcccaggaa gatccgtact 780			
163	atggcatccg ggatccattt aacgcccattt ccacaggaaa gtacccctcc tggactttt 840			
164	acatccaggat catgacattt aatcaggcag aaacttttcc atttaatcca ttccatctca 900			
165	ccaagggttttgcctcacaag gactaccctc tcatttttttgc tggtaacttgc gtcattaaacc 960			
166	ggaatccagt taattactttt gctgaggttgc aacagatgc cttcgaccatc agcaacatgc 1020			
167	cacctggcat tgaggccagt cctgacaaaaa tgcttcaggccgccttgccttgc 1080			
168	acactcaccg ccattcgcttgc gggccaaattt atcttcataatc acctgtgaac tggccctacc 1140			
169	gtgctcgagt ggccaaacttgc aagcgttgc gcccgtatgttgc tggccctacc 1200			
170	gtgctccaaa ttacttcccc aacagcttgc gtcgtccggaa acaacagcct tctgcccgg 1260			
171	agcacagcat ccaatatttgc ggagaagttgc ggagatttcaatcactgcaat gatgataacg 1320			
172	ttactcaggat gcccggcatttgc tatgtgaacg tgcgttgc ggaacagagg aaacgttgc 1380			
173	gtgagaacat tgccggccac ctgttgcggatg cacaattttgc tggccctacc 1440			
174	agaacttcac tgaggccac cctgacttgc ggagccacat ccaggcttgc tggccctacc 1500			
175	acaatgctga gaaggcttaag aatgcgttgc acacccatgc tggccctacc 1560			
176	cgccaaaggga gaaggccaaat ctgttgc 1586			
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180	<211> LENGTH: 16			
181	<212> TYPE: PRT			
182	<213> ORGANISM: Artificial Sequence			
184	<220> FEATURE:			
185	<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic			
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190	1	5	10	15
193	<210> SEQ ID NO: 5			
194	<211> LENGTH: 16			
195	<212> TYPE: PRT			
196	<213> ORGANISM: Artificial Sequence			
198	<220> FEATURE:			
199	<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic			

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200 peptide
202 <400> SEQUENCE: 5
203 Arg Gln Ile Lys Ile Phe Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
204 1 5 10 15
207 <210> SEQ ID NO: 6
208 <211> LENGTH: 16
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
214 peptide
216 <400> SEQUENCE: 6
217 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Phe Lys Lys
218 1 5 10 15
221 <210> SEQ ID NO: 7
222 <211> LENGTH: 16
223 <212> TYPE: PRT
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
228 peptide
230 <400> SEQUENCE: 7
231 Arg Gln Ile Lys Ile Phe Phe Gln Asn Arg Arg Met Lys Phe Lys Lys
232 1 5 10 15
235 <210> SEQ ID NO: 8
236 <211> LENGTH: 21
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
242 peptide
244 <400> SEQUENCE: 8
245 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp Ser Gln Pro Lys
246 1 5 10 15
248 Lys Lys Arg Lys Val
249 20
252 <210> SEQ ID NO: 9
253 <211> LENGTH: 12
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
259 motif
261 <400> SEQUENCE: 9
262 Lys Glu Thr Trp Trp Glu Thr Trp Trp Thr Glu Trp
263 1 5 10
266 <210> SEQ ID NO: 10
267 <211> LENGTH: 6
268 <212> TYPE: PRT

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269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
273 peptide
275 <400> SEQUENCE: 10
276 Lys Lys Lys Arg Lys Val
277 1 5
280 <210> SEQ ID NO: 11
281 <211> LENGTH: 9
282 <212> TYPE: PRT
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
287 peptide
289 <400> SEQUENCE: 11
290 Arg Leu Gln Val Val Leu Gly His Leu
291 1 5
294 <210> SEQ ID NO: 12
295 <211> LENGTH: 19
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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303 gtgaaccgtc agatccgct 19
306 <210> SEQ ID NO: 13
307 <211> LENGTH: 50
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
314 <400> SEQUENCE: 13
315 cgtctcgagt tatagatcgat ctttcagctc gtccatgccg agagtgtatcc 50
318 <210> SEQ ID NO: 14
319 <211> LENGTH: 30
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
326 <400> SEQUENCE: 14
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330 <210> SEQ ID NO: 15
331 <211> LENGTH: 42
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
338 <400> SEQUENCE: 15
339 cgtctcgagt tataatttgg acaggaacag gtgggtggccg cc 42

VERIFICATION SUMMARY

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Input Set : A:\SEQ LISTING-2 (WSU-9 US).txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number